

SCSI to SATA RAID Subsystem

-- The RAID makes business continuity simple

PRODUCT HIGHLIGHT

- Available in Single controller configuration.
- Dual Flash ROM on each controller.
- SCSI U320 host interface.
- Up to 2GB cache memory.
- RAID Levels JBOD, 0, 1, 3, 5, 6, 10, 30, 50, TP or NRAID.
- Support up to 16 SATA II drives.
- 3U rackmount, high density design.
- User-friendly, web browser-based RAID management interface.
- Event notification through e-mail or SNMP trap.



SA-6640S

The RAID System setup an important milestone for MaxTronic approaching to critical high-end enterprise demands. Innovative RAID Level TP enables advanced data protection function. Powerful hardware engine, high scalable expansion options and user-friendly management interface make it the best choice for fault tolerance, performance driven solutions.

FEATURES AND BENEFITS

Innovative Data Protection

Advanced RAID TP function allows up to 3 HDDs failed during system operation time.

High System Availability

Modularized, hot-swappable components enable no operating downtime and easy maintenance.

Increased Firmware Protection

Dual Flash ROM on-board, embedded flash auto-backup function, supports higher system availability during firmware upgrading or single ROM failure.

Excellent Performance

SCSI U320 host-transferring-speed with upgraded Intel IOP331 CPU which delivers high performance for heavy duty business applications.

Smart I/O Path Management

Just simple double-click installation, host-based PathGuard Software enables end-to-end I/O path failover & failback and dynamic I/O load balancing functions to improve operation efficiency.



SCSI

Technical Specifications



Host Channel	
Model No.	SA-6640S
Host Interface	U320 SCSI
Data Transfer Rate	Up to 320Mb/s per port
Host Channel No.	2
External Connector Type	VHDCI x 4
Daisy Chain	SCSI Daisy Chain
Hardware	
Controller	Single
Controller CPU	Intel IOP33 I
Cache Memory	512-2048MB DDR RAM
Disk Interface	SATA II
Disk Channel No.	16
Hot Swap Disk Tray	16 x 3.5" swappable trays
Hot Swap Power Supply	460W x 2 Redundant
AC Input Voltage	100 to 240V (+/-10%), 47 to 63 Hz
Battery Backup	Yes (optional)
Hot Swap Fan Module	2 x Turbo Fan
RAID Functions	
RAID Levels	JBOD, 0, 1, 3, 5, 6, 10, 30, 50, TP, NRAID
RAID Features	RAID capacity partitioning: up to 16 slices Supported strip sizes (KB): 4, 8, 16, 32, 64, 128, 256, 512 Selective RAID initialization methods including background initialization NVRAM-based transaction log and auto parity resynchronization Online bad block data recovery and reallocation Selective and adaptive read/write optimization policies Online multiple RAID group expansion Online multiple manual or event-triggered disk cloning Online multiple manual or periodic disk scrubbing Disk health monitoring and self tests by S.M.A.R.T. Up to 128 LUNs per host port Configurable sector size of LUNs Array roaming and drive traveling
Advanced Data Reliability Assurance	SMART Cor. Function (DST, DS, DC)
RAID Management	
Front Panel LCD and Buttons	Easy access for configuration and status report
RS-232 Terminal	User friendly interface for configuration and status report
GUI	Embedded Ethernet connection, web browser-based management GUI for configuration and status monitoring
Event Notification	LCD indicator, Build-in buzzer, or e-mail or SNMP trap (*1)
*1. Notification through e-mail or SNMP trap is supported by web browser-based GUI.	
Management AP	
PathGuard Software	Multiple paths to each device End-to-end I/O path failover and failback Dynamic I/O load balancing
Environment Specification	
Humidity	20% to 80% non-condensing
Operating Temperature	5°C to 40°C 41°F to 104°F
Non-operating Temperature	-25°C to 60°C -13°F to 140°F
Safety Regulatory	UL, CUL, CB
EMC Standard	FCC, CE, C-Tick, BSMI
Dimension and Weight	
Physical Dimension	485(W) x 565(D) x 132(H) mm
Physical Weight (without drives)	24 Kgs
Packed Dimension	610(W) x 790(D) x 450(H) mm
Packed Weight (without drives)	33 Kgs

* Specifications and product offerings may vary without notice.
* Various trademarks belong to their respective owners.

SA-6640S-0811160504

Headquarters

MaxTronic International Co., Ltd.
TEL : 886-2-2218 4875
FAX : 886-2-2218 4896
<http://www.maxtronic.com.tw>

America

Arena-MaxTronic Inc.
TEL : 1-626-334 1888
FAX : 1-626-334 6888
<http://www.maxtronic.com>

China

欧骅股份有限公司 北京代表处
TEL : 86-10-8280 0080
FAX : 86-10-8280 0784
<http://www.maxtronic.com.cn>